MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

APRIL 1952

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

APRIL 1952

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degress Centigrade					
	8:30	14:30	22:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	61.7	61.4	61.8	61.6	22.4	15.0	19.4	21.3	17.8	19.5
2	63.7	62.5	63.1	63.1	22.6	16.4	18.1	22.1	17.5	19.2
3	63.9	62.8	62.8	63.2	21.8	16.2	19.1	21.4	18.1	19.5
4	61.3	60.7	60.4	60.8	24.7	19.0	19.6	24.0	20.1	21.2
5	59.7	59.1	59.9	59.6	29.6	19.3	22.5	29.2	24.7	25.5
6	62.1	61.8	62.4	62.1	26.4	16.7	22.4	24.6	19.8	22.3
7	62.3	61.2	60.1	61.2	24.2	16.8	19.5	23.1	18.5	20.4
8	60.6	60.4	61.0	60.7	23.2	14.9	19.6	22.6	17.8	20.0
9	62.5	62.7	63.5	62.9	20.6	12.9	16.8	19.8	15.6	17.4
10	64.0	63.8	64.3	64.0	20.5	12.6	16.1	20.3	14.6	17.0
11	64.1	63.8	63.6	63.8	20.0	12.5	16.8	18.8	14.8	16.8
12	62.1	61.7	62.4	62.1	21.0	12.4	17.5	20.4	14.2	17.4
13	61.8	61.7	61.4	61 6	18.3	7.6	16.4	16.0	14.2	15.5
14	60.9	60.6	61.2	60.9	18.0	11.1	15.6	17.2	12.2	15.0
15	61.3	61.6	62.1	61.7	20.9	13.2	17.7	20.8	15.2	17.9
16	62.8	62.5	63.3	62.9	20.5	13.9	18.1	20.0	15.6	17.9
17	62.9	62.0	61.8	62.2	21.3	15.4	18.1	20.7	16.8	18.5
18	60.3	57.1	51.5	56.3	27.1	16.8	17.9	25.6	22.8	22.1
19	53.1	53.4	55.1	53.9	22.5	15.9	18.3	20.1	17.2	18.5
20	56.2	56.1	57.4	56.6	21.6	14.3	17.8	21.3	16.7	18.6
21	57.7	58.0	58.3	58.0	22.4	14.5	18.4	21.7	15.9	18.7
22	59.5	59.7	60.6	59.9	21.7	14.6	19.2	19.9	16.2	18.4
23	61.1	60.5	60.6	60.7	22.8	14.4	17.8	22.1	16.6	18.8
24	60.5	60.1	60.9	60.5	22.8	14.3	19.3	22.2	17.1	19.5
25	60.5	59.6	59.0	59.7	23.4	16.1	19.8	21.7	17.2	19.6
26	56.5	53.2	50.4	53.4	27.0	18.7	19.2	25.2	21.2	21.9
27	53.0	52.7	53.7	53.1	23.6	17.2	22.4	22.2	18.9	21.2
28	56.6	57.0	57.5	57.0	23.0	15.3	20.5	22.2	17.9	20.2
29	57.9	57.6	57.9	57.8	21.9	14.2	15.9	20.5	14.9	17.1
30	56.6	56.3	55.4	56.1	22.1	15.3	18.9	21.8	16 7	19.1
31										
	60.24	59.72	59.78	59.91	22.59	14.91	18.62	21.63	17.23	19.16

Barometer, range for month 764.3 mm. — 750.4 mm
„ 71-yr. average for month 760.03 mm.
Thermometer, range for month 29.6°C — 7.6°C
„ 71-yr. average for month 19.10°C
Rain total for month 37.34 mm.
„ 71-yrs average for month 55.16 mm.
„ Total, Sept. 1st. to end of month 1160.01 mm.
„ 71-yrs. average. Sept. 1st. to end of month 870.00 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	15.1	16.0	16.4	15.8	67	63	80	70	8.3	301.0	
2	16.4	19.8	18.0	18.1	81	74	92	82	8.6	101.0	
3	18.9	19.5	19.2	19.2	87	79	94	87	8.8	151.0	
4	19.6	22.2	15.8	19.2	86	76	69	77	9.5	68.0	
5	20.4	13.2	10.6	14.7	75	31	35	47	9.7	74.0	
6	21.0	21.1	18.6	20.2	78	68	81	76	9.8	82.0	
7	19.6	21.4	19.3	20.1	87	75	91	84	9.2	261.0	
8	18.5	16.9	15.9	17.1	82	61	77	73	6.9	480.0	
9	12.1	11.0	9.7	10.9	64	49	50	54	7.6	620.0	
10	10.2	11.0	9.6	10.3	56	47	59	54	7.4	238.0	0.25
11	10.7	10.4	9.6	10.2	53	48	56	52	9.6	230.0	
12	9.7	11.0	8.7	9.8	50	45	58	51	9.9	441.0	
13	9.2	6.0	7.8	7.7	48	35	50	44	9.1	1065.0	
14	9.7	7.9	7.9	8.5	55	40	55	50	9.7	320.0	16.51
15	11.8	14.2	13.0	13.0	59	60	78	66	9.5	325.0	
16	12.3	14.1	13.0	13.1	59	60	74	64	10.2	261.0	
17	12.8	14.8	15.7	14.4	60	62	82	68	8.2	142.0	
18	12.8	15.9	10.8	13.2	62	48	39	50	1.7	592.0	
19	14.9	18.6	15.8	16.4	71	79	81	77	2.4	711.0	1.78
20	14.8	16.0	15.7	15.5	74	64	82	73	10.2	410.0	
21	15.5	16.1	15.1	15.6	73	62	83	73	9.9	93.0	
22	15.6	14.0	15.1	14.9	69	64	82	72	11.7	87.0	
23	15.4	10.2	14.7	13.4	76	60	78	71	11.8	198.0	
24	15.1	16.8	16.3	16.1	66	63	83	71	12.1	240.0	
25	16.3	17.2	17.4	17.0	70	68	87	75	9.6	66.0	
26	17.8	14.0	16.5	16.1	81	45	66	64	6.9	375.0	
27	16.8	18.0	17.2	17.3	62	68	80	70	0.4	560.0	
28	19.3	18.0	15.9	17.7	80	68	79	76	10.0	557.0	
29	16.2	17.0	15.5	16.2	89	69	90	83	4.4	507.0	6.61
30	16.7	17.2	16.3	16.7	77	68	85	77	9.7	340.0	12.19
31											
	15.17	15.32	14.37	14.95	69.9	60.0	73.2	67.7	8.43	329 87	8.43

Height of Barometer above sea level : 33.7 meters.
„ „ Thermometers above ground :
Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.
Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T
71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	8cu-st	2cu	0	3.3	2sw	2sw	2w	calm	
2	9cu-st	3cu	0	4.0	1sw	1nw	1ne	,,	
3	9st	0	0	3.0	1sw	1n	1ne	light	D., am. M , am
4	0	0	0	0.0	1w	1ne	0	,,	D., am.
5	0	0	0	0.0	1e	1sw	1e	,,	
6	0	0	0	0.0	1ne	1n	1e	light	
7	0	0	0	0.0	2sw	2w	2n	,,	M., all day
8	9cu	6cu-st	7cu	7.3	3sw	1sw	1sw	,,	D., am.
9	9cu	6cu	7cu	7.3	3sw	3sw	3sw	,,	
10	9cu-ni	5cu	7cu	7.0	2sw	1sw	1sw	,,	
11	7cu	5ci	6cu	6.0	2s	1nw	1nw	light	
12	4cu	4cu	2cu	3.3	2sw	1nw	3ne	,,	
13	2cu	4cu	9cu-ni	5.0	2n	5n	4nw	rough	T., P.m. W., all day
14	5cu	3cu	0	2.7	2e	2n	1w	light	
15	3cu	4cu	0	2.3	2sw	2sw	1n	,,	
16	0	2cu	0	0.7	1ne	2 w	1n	light	
17	0	6ci	0	2.0	1ne	2ne	1ne	,,	
18	10cu-ni	10cu-st	9st	9.7	3sw	1e	3e	,,	M., a.m.
19	10cu-st	7cu-st	9st	8.7	3sw	3sw	3w	,,	H., all day
20	8cu-ni	6cu-st	0	4.7	2sw	3sw	1w	,,	Tr., a.m. H., all day
21	0	2cu	0	0.7	1sw	2w	1n	light	
22	5cu-st	7cu-st	7cu-st	6.3	1sw	2nw	1n	,,	
23	8cu	4cu-ci	2cu	4.7	2sw	2sw	1sw	calm	
24	0	2cu	9st	3.7	2sw	2w	1w	light	
25	0	0	0	0.0	1sw	1n	1n	calm	D., am.
26	10st	1st	0	3.7	1e	2ne	1e	light	D., H., a.m. F., p.m.
27	10st	10st	10st	10.0	4sw	3w	2n	,,	W., H., a.m.F., p.m.
28	8st	0	0	2.7	2sw	4sw	3sw	,,	Tr., a.m. H., all day
29	10ni	9cu-st	8cu-ni	6.3	3sw	2sw	2sw	,,	T., p.m.
30	7cu-ni	5cu-st	0	4.0	3sw	2sw	2sw	,,	
31									

Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	3	3	0	1	21	1	0	0	30
14:30	5	3	1	0	0	12	5	4	0	30
20:30	7	4	4	0	0	7	5	2	1	30
Total	13	10	8	0	1	40	11	6	1	90

Number of day with rain 5, fog 1, thunderstorms 2, gale 0.
71 yr. av. number of days with rain during mouth 6.23